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Docket No.: 01780/100G910-US3
(PATENT)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Life Patent Application of:
David P. Macadam et al.

Application No.: 10/618,441

Confirmation No.:

Filed: July 11, 2003

Art Unit: N/A

For: METHODS FOR PROCESSING
ELECTROCARDIAC SIGNALS HAVING
SUPERIMPOSED COMPLEXES

Examiner: Not Yet Assigned

INFORMATION DISCLOSURE STATEMENT (IDS)

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

Pursuant to 37 CFR 1.56, 1.97 and 1.98, the attention of the Patent and Trademark Office is hereby directed to the documents listed on the attached PTO/SB/08. It is respectfully requested that the information be expressly considered during the prosecution of this application, and that the documents be made of record therein and appear among the "References Cited" on any patent to issue therefrom.

This Information Disclosure Statement is filed before the mailing date of a first Office Action on the merits as far as is known to the undersigned (37 CFR 1.97(b)(3)).

A copy of each document on the PTO/SB/08 is attached.

In accordance with 37 CFR 1.97(g), the filing of this Information Disclosure Statement shall not be construed to mean that a search has been made or that no other material information as defined in 37 CFR 1.56(a) exists. In accordance with 37 CFR 1.97(h), the filing of this Information

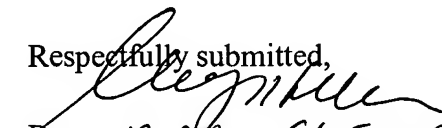
Disclosure statement shall not be construed to be an admission that any patent, publication or other information referred to therein is "prior art" for this invention unless specifically designated as such.

It is submitted that the Information Disclosure Statement is in compliance with 37 CFR 1.98 and the Examiner is respectfully requested to consider the listed references.

The Commissioner is authorized to charge any deficiency of up to \$300.00 or credit any excess in this fee to Deposit Account No. 04-0100.

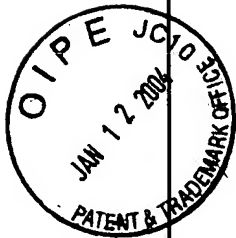
Dated: January 12, 2004

Respectfully submitted,


By MARIE GILFILLAN
for Paul M. Zagar 44085
Registration No.: 52,392
DARBY & DARBY P.C.
P.O. Box 5257
New York, New York 10150-5257
(212) 527-7700
(212) 753-6237 (Fax)
Attorneys/Agents For Applicant

Application No. (if known): 10/618,441

Attorney Docket No.: 01780/100G910-US3



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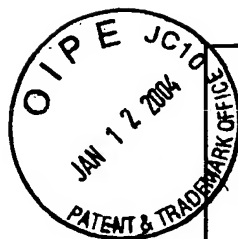
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Information Disclosure Statement
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet 1 of 1

Complete if Known

Application Number	10/618,441-Conf. #4207
Filing Date	July 11, 2003
First Named Inventor	David P. Macadam
Art Unit	N/A
Examiner Name	Not Yet Assigned
Attorney Docket Number	01780/100G910-US3

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
	1	US-5,772,604-B1	06-30-1998	Langberg et al.	
	2	US-5,840,038-B1	11-24-1998	Xue et al.	
	3	US-2001/0056245-A1	12-27-2001	Mlynash et al.	
	4	US-2001/0056289-A1	12-27-2001	Groenewegen	
	5	US-4,336,810-B1	06-29-1982	Anderson et al.	
	6	US-4,721,114-B1	01-26-1988	DuFault et al.	
	7	US-4,793,361-B1	12-27-1988	DuFault	
	8	US-5,758,654-B1	06-02-1998	Burton-Krahn et al.	
	9	US-5,778,881-B1	07-14-1998	Sun et al.	
	10	US-6,035,231-B1	03-07-2000	Sommo et al.	
	11	US-6,230,048-B1	05-08-2001	Selvester et al.	
	12	US-6,490,479-B2	12-03-2002	Bock	
	13	US-6,491,629-B1	12-10-2002	Bousseljot et al.	

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)				
	14	WO-91/02484-A1	03-07-1991	Chamoun N.		
	15	WO-01/67950-A1	09-20-2001	Milynash et al.		
	16	WO-98/09241-A1	03-05-1998	Burton-Krahn et al.		
	17	WO-01/67954-A1	09-20-2001	Groenewegen		
	18	WO-01/76461-A2	10-18-2001	Groenewegen et al.		

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	19	P.W. Hsia et al., "Computer Arrhythmia Analysis in an Exercise System," Proc. Ann. Conf. on Eng. in Medicine and Biology, 65 (1985)	
	20	R.D. Throne et al., "Use of Tachycardia Templates for Recognition of Recurrent Monomorphic Ventricular Tachycardia," Proc. Computers in Cardiology Meeting, 171-174 (1989)	
	21	S.E. Greenhut et al., "Template Matching Techniques for Electrophysiologic Signals: A Practical, Real-Time System for Detection of Ventricular Tachycardia," Biomedical Sciences Instrumentation, 37-42 (1992)	
	22	G.F. Michaud et al., "Correlation Waveform Analysis to Discriminate Monomorphic Ventricular Tachycardia from Sinus Rhythm Using Stored Electrograms from Implantable Defibrillators," PACE 22(8): 1146-1147 (1999)	
	23	International Search Report dated November 21, 2002 for International patent application number PCT/US01/46348	

Examiner Signature	Date Considered
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